

NUCOR
BUILDING SYSTEMS
A DIVISION OF NUCOR CORPORATION
NOTES AND SPECIFICATIONS

BUILDING ERECTION NOTES

- 1) THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT THE METAL BUILDING SYSTEM IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND MSHA STANDARDS PERTAINING TO PROPER ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE CORRECT USE OF TEMPORARY GUYS AND BRACING WHERE NEEDED FOR SQUAREING, PLUMBING, AND SECURING THE STRUCTURAL AND SECONDARY FRAMING, SECONDARY WALL FRAMING MEMBERS (GIRTS OR BAR JOISTS) ARE NOT DESIGNED TO FUNCTION AS A WORK PLATFORM OR PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS. SECONDARY ROOF FRAMING MEMBERS (PURLINS OR BAR JOISTS) ARE NOT DESIGNED TO PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS.
- 2) ALL HIGH STRENGTH BOLTS ARE TYPE ASTM A325 AND ARE TO BE INSTALLED TO THE "SNUG-TIGHT" CONDITION AS DEFINED BY THE BCS-2000 SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS. 2004 EDITION, SECTION 8.1, UNLESS NOTED OTHERWISE. ALSO, NOTE THAT BOLTS IN STANDARD HOLES DO NOT REQUIRE WASHERS PER THE BCS-2000 SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS. SECTION 8.
- 3) ALL A307 MACHINE BOLTS ARE TO BE BROUGHT TO A "SNUG-TIGHT" CONDITION TO ENSURE THAT THE MATERIALS IN THE JOINT ARE BROUGHT INTO GOOD CONTACT WITH EACH OTHER.
- 4) WASHERS ARE REQUIRED AT ALL SLOTTED CONNECTIONS AS FOLLOWS: WHILE TO SLOTTED CONNECTION, ONE WASHER REQUIRED ON BOTH SIDES OF THE CONNECTION. HOWEVER, AT LAPPED JOINT MEMBERS, WHETHER PURLINS OR GIRTS, NO WASHERS ARE REQUIRED IN THE 8-BOLT LAPPED REGION.
- 5) THE METAL BUILDING SUPPLIER SHALL BE NOTIFIED PRIOR TO ANY FIELD MODIFICATIONS. MODIFICATIONS SHALL BE APPROVED BY THE METAL BUILDING SUPPLIER BEFORE WORK IS UNDERTAKEN.
- 6) ALL WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE TO 450 STEEL AND LOW HYDROGEN CONTENT.

- 7) COMMON ABBREVIATIONS:
- | | |
|--|----------------------------|
| 1) TYP. UNO-TYPICAL UNLESS NOTED OTHERWISE | 1) SIM-SIMILAR |
| 2) SLP-SHORT LED VERTICAL | 2) SMC-SHIRT IN CONTRACT |
| 3) LVL-LONG LED VERTICAL | 3) SL-STEEL LINE |
| 4) MS & FS-FRAME SIDE AND FAR SIDE | 4) M/A-METAL APPLICABLE |
| 5) LVL-LONG LED VERTICAL | 5) M/A-METAL APPLICABLE |
| 6) LVL-LONG LED VERTICAL | 6) LVL-LONG LED VERTICAL |
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- 8) CONSTRUCTION LOADS SHALL NOT BE PLACED ON ANY STRUCTURAL STEEL FRAMING UNLESS SUCH FRAMING IS SAFELY BOLTED, WELDED, OR OTHERWISE ADEQUATELY SECURED.
- 9) PURLINS AND GIRTS SHALL NOT BE USED AS AN ANCHORAGE POINT FOR A FALL ARREST SYSTEM UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE METAL BUILDING SUPPLIER.
- 10) PURLINS MAY ONLY BE USED AS A WALKING/WORKING SURFACE WHEN INSTALLING SAFETY SYSTEMS, AFTER ALL PERMANENT BRACING HAS BEEN INSTALLED AND FALL PROTECTION IS PROVIDED.
- 11) CONSTRUCTION LOADS MAY BE PLACED ONLY WITHIN A ZONE THAT IS WITHIN 8 FEET OF THE CENTER-LINE OF THE PRIMARY SUPPORT MEMBER. GIRT BUNDLES SHOULD BE PLACED DIRECTLY OVER THE ROOF FRAMES.
- 12) ALL LIFTING DEVICES MUST MEET OSHA OR MSHA STANDARDS AND IN NO CASE IS IT ACCEPTABLE TO USE STRUCTURAL MEMBERS SUPPLIED BY THE MBS AS A SPREADER BAR OR LIFTING DEVICE.

GENERAL DESIGN NOTES AND MATERIAL SPECIFICATIONS

- 1) ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE AWS SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS—ALLOWABLE STRESS DESIGN, NINTH EDITION, OR THE AWS SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THIRTEENTH EDITION, AS REQUIRED BY THE SPECIFIED BUILDING CODE.
- 2) ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 "STRUCTURAL WELDING CODE", LATEST EDITION.
- 3) ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH AISI SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.
- 4) ALL WELDING OF COLD FORMED STEEL IS BASED ON AWS D1.3 "STRUCTURAL WELDING CODE—SHEET STEEL", LATEST EDITION.
- 5) IF JOISTS ARE INCLUDED WITH THIS PROJECT, THEY ARE SUPPLIED AS A PART OF THE SYSTEMS-ENGINEERED METAL BUILDING AND ARE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1926.758 OF THE OSHA SAFETY STANDARD FOR STEEL ERECTION, DATED JANUARY 16, 2001.
- 6) MATERIAL SPECIFICATIONS:
- PLATE AND FLANGE MATERIAL:
- 5"-12" WIDE & THRU 1" THICK _____ A529, GRADE 55 OTHER _____ A58
- BUILT-UP STRUCTURAL WEB MATERIAL _____ A1011 S5 (OR HSLAS CL1) OR S5
- NOT-BOLTED STRUCTURAL _____ A36 OR A572 GRADE 50 OR A992 GRADE 50
- STRUCTURAL TUBE _____ A500 GRADE B (42 KSI)
- STRUCTURAL PIPE _____ A1011 OR A1039 S5 (OR HSLAS CL1) OR S5
- COLD-FORMED STRUCTURAL _____ A1011 OR A1039 S5 (OR HSLAS CL1) OR S5
- FRP ROOF PANELS _____ A792 GRADE 50
- STANDING SEAM ROOF PANELS _____ A792 GRADE 50
- R-PANEL AND A-PANEL SIDING _____ A652 GRADE 80, CLASS 1 OR A792 GRADE 80, CLASS 1
- ROOF BRACING _____ A529 GRADE 50
- CABLE BRACING _____ A475 COR-TEN CLASS A, GRADE 50S, T-WIRE
- WELDS _____ AWS D1.1 LATEST EDITION
- HIGH-STRENGTH BOLTS _____ A325 TYPE 1 HEAVY HEX OR A490 TYPE 1 HEAVY HEX
- MACHINE BOLTS _____ A-307 GRADE A HEX

THINKWARE 1598, NUCOR BUILDING SYSTEMS

PROJECT NUMBER: S12S0554A
PROJECT NAME: AQUA NY WATER PHILLIP ROSS IND.
PROJECT LOCATION: LEVITTOWN, NY 11756
CUSTOMER: DANALLISON ENTERPRISES, INC



DESIGN CODE: NYBC 10
ROOF LIVE LOAD: 30.00_PSF MBMA OCC. CLASS: II
LIVE LOAD REDUCIBLE No
GROUND SNOW LOAD: 30.0_PSF SNOW EXP. FACTOR, Ce: 1.00
SNOW IMPORTANCE FACTOR, Is: 1.00
WIND 120 mph WIND IMPORTANCE FACTOR, Iw: 1.00
EXPOSURE: B
UL 90 Yes

Classic Roof-Const. No. 161; Classic Roof w/ Translucent Panel-Const. No. 167
CFR Roof-Const. No. 552; CFR Roof w/ Translucent Panel-Const. No. 590;
Composite CFR Roof-Const. No. 552A; WVE If Roof-Const. No. 332.
SEISMIC INFORMATION: Ss: 0.305 S1: 0.064
Design Sds/Sd1: 0.316 / 0.102 Site Class: D
Seismic Imp. Factor: 1.00 Seismic Design Category: B
Analysis Procedure: Equivalent Lateral Force Method
Basic SFRS: Not Detailed for Seismic

NOTES:
1) EXISTENTIAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILING, ETC. ARE SUSPENDED FROM ROOF MEMBERS, CONSULT THE M.B.S. IF THESE CONCENTRATED LOADS EXCEED 200 POUNDS, OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.
2) THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING GRAVITY LOADS IS CONTROLLED BY THE MORE CRITICAL EFFECT OF ROOF LIVE LOAD OR ROOF SNOW LOAD, AS DETERMINED BY THE APPLICABLE CODE.

BUILDING	
ROOF DEAD (PSF):	4.00
PR. COL. (PSF):	5.00
SEC. COL. (PSF):	5.00
SNOW CL. 1.10	
SNOW CL. 1.00	
ROOF SNOW (PSF):	21.55
WIND ENCLASURE:	Closed
SEISMIC:	1
SEISMIC CL.	0.102
BASE SHEAR (KIPS):	4.8

- YES NO
- ☐ ☒ FASCIA, PROJECTION: _____ TOP OF FASCIA HEIGHT: _____
FACE PANEL, TYPE: _____ GAGE, FINISH: _____
BACK PANEL, TYPE: _____ GAGE, FINISH: _____
CAP TRIM PAINTED: _____ BASE TRIM PAINTED: _____
☐ CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM: _____
SOFFIT PANEL, TYPE: _____ GAGE, FINISH: _____
SOFFIT TRIM AT BUILDING LINE PAINTED: _____
☐ OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED)
CLEAR UNDER FASCIA: _____
- ☐ ☒ PARAPET SYSTEM
☐ STRUCTURAL PARAPET ☐ NON-STRUCTURAL PARAPET
TOP OF PARAPET HEIGHT: _____
BACKER PANEL, TYPE: _____ GAGE, FINISH: _____
☒ CANOPY (EXPOSED BEAM), PROJECTION: _____
AT EAVE LINE ☐ BELOW EAVE ☐
ROOF PANEL, TYPE: _____ GAGE, FINISH: _____
SOFFIT PANEL, TYPE: _____ GAGE, FINISH: _____
SOFFIT TRIM AT BUILDING LINE PAINTED: _____
CLEAR UNDER CANOPY BEAM: _____
☒ EAVE EXTENSION (CONCEALED BEAM), PROJECTION: _____
SOFFIT PANEL, TYPE: _____ GAGE, FINISH: _____
SOFFIT TRIM AT BUILDING LINE PAINTED: _____
☒ RAKE EXTENSION, PROJECTION: _____
SOFFIT PANEL, TYPE: _____ GAGE, FINISH: _____
SOFFIT TRIM AT BUILDING LINE PAINTED: _____
☒ PARTITION WALL SHEETING
PARTITION WALL TRIM COLOR: _____ GAGE, FINISH: _____

- PRIMARY AND SECONDARY STEEL PRIMER COLOR: RED
- ROOF SHEETING, TYPE: CFR 24 GAGE, FINISH: Undefined color A
- ROOF PANEL CLIP TYPE: ☐ N/A ☒ TALL ☐ SHORT ☐ UTILITY ☒ FLOATING
- THERMAL BLOCKS: ☒ YES ☐ NO EPS FOAM SPACER: ☐ YES ☒ NO
- SEAMING METHOD (FOR CFR ONLY): ☒ ROLL LOCK™ ☐ TROLL LOCK™
NOTE: REFER TO THE DETAIL PAGES FOR ADDITIONAL SEAMING INFORMATION
- COMPOSITE CFR DECK, TYPE: N/A GAGE, FINISH: _____
- ROOF LINE TRIM, PAINTED: Undefined color B NOTE: GUTTER HANGERS AND CHICK STRAPS PROVIDED IN GALVANIZED COLOR ONLY
- EXTERIOR WALL SHEETING, TYPE: Accent 26 GAGE, FINISH: Undefined color C
- EXTERIOR WALL CORNER TRIM FINISH: Undefined color D
- EXTERIOR BASE TRIM, PAINTED: Undefined color E
- FRAMED OPENING TRIM, PAINTED: Undefined color F
- WALL FRAMED OPENING, SIZES: FSW (1) 3'-4 1/4"W x 7'-2 1/4"H
BSW none
LEW (1) 10'-6"W x 16'-0"H (1) 3'-4 1/4"W x 7'-2 1/4"H
LEW (2) 3'-0"W x 3'-0"H
REW (2) 3'-0"W x 3'-0"H
- INTERIOR WALL SHEETING, TYPE: Classic 26 GAGE, FINISH: Undefined color C
- INTERIOR CEILING LINER, TYPE: Classic 26 GAGE, FINISH: Undefined color A
- INTERIOR WALL TRIM, PAINTED: Classic
- YES NO
- ☒ ☐ DOWNSPOUTS PAINTED: Undefined color G GUTTERS PAINTED: Undefined color B
- ☒ ☐ WALKDOORS, QUANTITY: _____ PAINTED: _____
- ☐ ☐ WINDOWS: _____ PAINTED: _____
- ☒ ☐ INSULATION (NOT BY MBS), ROOF: 6 INCH WALLS: 6 INCH
- ☐ ☐ CRANES (SEE CRANE PLAN FOR ADDITIONAL CRANE INFORMATION)
- ☐ ☐ MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL MEZZANINE INFO)
- ☐ ☐ WALL TRANSLUCENT PANELS: _____
- ☐ ☐ ROOF TRANSLUCENT PANELS: _____
INSULATED PANELS YES ☐ NO ☐
- ☐ ☐ PIPE JACKS, SIZE: _____ QUANTITY: _____
- ☐ ☐ ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES
- ☐ ☐ RIDGE VENTS, 10'-0" LONG X 9" THROAT, QUANTITY: _____

THE 10'-6"x16'-0" ROLL-UP DOOR FRAMED OPENING SUPPLIED ON THIS PROJECT HAS BEEN DESIGNED TO SUPPORT A TOTAL HANGING DEAD WEIGHT OF 1880 LBS. IN ADDITION, THE FRAMED OPENING HAS BEEN DESIGNED TO SUPPORT WIND LOAD, NORMAL TO THE DOOR, BASED ON THE STANDARD BUILDING CODE CRITERIA. THE FRAMED OPENING HAS NOT BEEN DESIGNED FOR ANY ADDITIONAL MOMENT OR CATENARY FORCE FROM THE DOOR. ANY CHANGE TO THE INFORMATION SHOWN HERE WOULD REQUIRE AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

FOR OCCUPANCY CATEGORY I OR II BUILDINGS, IBC ALLOWS FOR SINGLE STORY BUILDINGS TO HAVE NO LIMIT FOR SEISMIC STORY DRIFT. PLEASE NOTE THAT ANY INTERIOR WALLS, PARTITIONS, CEILING, AND EXTERIOR WALLS SHOULD BE DETAILED (BY OTHERS) TO ACCOMMODATE THIS STORY DRIFT.

ERECTION MANUALS REQUIRED	
(ERECTION MANUALS ARE SHIPPED WITH THE BUILDING IN A WAREHOUSE PACKING CRATE)	
<input checked="" type="checkbox"/> CFR ROOF	<input checked="" type="checkbox"/> H8430 OR <input checked="" type="checkbox"/> H8300 <input type="checkbox"/> SINGLE CURB (H9850)
<input checked="" type="checkbox"/> CLASSIC ROOF	<input checked="" type="checkbox"/> H8430 OR <input checked="" type="checkbox"/> H8300 <input type="checkbox"/> DOUBLE CURB (H9800)
<input checked="" type="checkbox"/> WALL SHEETING	<input checked="" type="checkbox"/> H8430 OR <input checked="" type="checkbox"/> H8300 <input type="checkbox"/> V816 (H9800)

DRAWING INDEX

- COVERSHEET C1
ANCHOR BOLT DRAWINGS F1, F2
COLUMN BASE REACTIONS R1
STRUCTURAL/SHEETING DRAWINGS E1 - E10
DETAILS D1 - D9

MAILED SEP 27 2017

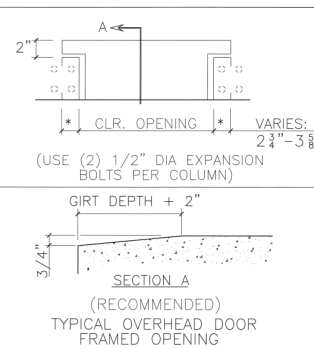
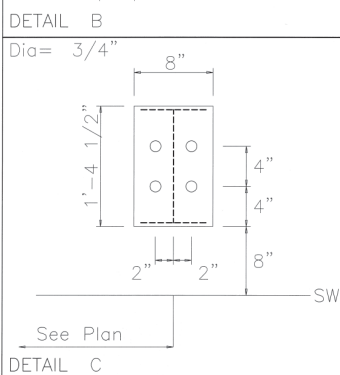
JOB NUMBER: S12S0554A

SHEET NO: C1 of 1



MAILED SEP 27 2017

THIS SEAL PERTAINS ONLY TO THE MATERIALS PROVIDED AND SHIPPED BY NUCOR BUILDING SYSTEMS. A DESIGN OF RECORD OR CONSTRUCTION OF RECORD DRAWING IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS A SUBSTITUTE FOR AN ENGINEER'S SEAL. THIS SEAL DOES NOT CONSTITUTE AS SUCH.



FOUNDATION DESIGN NOTE:
THE ORIENTATION OF THE ANCHOR BOLT DETAILS SHOWN ON THIS PAGE MAY NOT COINCIDE WITH THE ACTUAL COLUMN ORIENTATION SHOWN ON PAGE F1. PLEASE REFERENCE THE SIDEWALL (SW) AND ENDWALL (EW) STEEL LINES SHOWN ON THE ANCHOR BOLT DETAILS WITH THE ANCHOR BOLT PLAN ON PAGE F1 DURING LAYOUT OF COLUMN AND ANCHOR BOLT LOCATIONS.

APPROVALS		ISSUE	
MSS	CEB	MSS	CEB
MSS	CEB	MSS	CEB
REVISED APPROVALS		REVISED APPROVALS	
DATE		DATE	
07/21/01		07/21/01	

NUCOR

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Frm Line	Col Line	Anc. Qty	Bolt Dia	Base Width	Plate Length	(in) Thick	Elev. (in)
1*	A	4	0.750	8.000	14.50	0.375	0.0
1*	C	4	0.750	8.000	14.50	0.375	0.0
1*	Frame lines:			1	5		

Frm Line	Col Line	Anchor Qty	Bolt Dia	Base Width	Plate Length	(in) Thick	Elev. (in)
2*	A	4	0.750	8.000	16.50	0.375	0.0
2*	C	4	0.750	8.000	16.50	0.375	0.0
2*	Frame lines:			2	3	4	

Frm	Col	Dead	Wind_P	Wind_S
Line	Line	Vert	Horz	Horz
1	B	0.7	-5.6	6.2
5	B	0.7	-5.6	6.2

1. ALL LOADING CONDITIONS ARE EXAMINED. THE MAXIMUM AND MINIMUM HORIZONTAL (H) AND VERTICAL (V) REACTIONS AND THE CORRESPONDING VERTICAL (V) OR HORIZONTAL (H) REACTIONS ARE REPORTED.

2. REACTIONS ARE PROVIDED BY LOAD CASE IN ORDER TO AID THE FOUNDTION DESIGNER IN DETERMINING THE MOST CRITICAL REACTION FOR DESIGN. REACTIONS ARE PROVIDED FOR BOTH WIND STRESS OR ULTIMATE STRENGTH DESIGN METHODS. WIND LOAD CASES ARE GIVEN FOR EACH PRIMARY DIRECTION.

3. FOR ASCE7-10 BASED BUILDING CODES THE UNFACTORED LOAD CASE REACTIONS DUE TO WIND ARE GENERATED USING 10 MINUTE WIND SPEEDS (V_{w10}).

4. POSITIVE (+) REACTIONS ARE AS SHOWN ABOVE. FOUNDATION LOADS ARE IN OPPOSITE DIRECTIONS.

5. BRACING REACTIONS ARE IN THE PLANE OF THE BRACE WITH THE HORIZONTAL REACTION (H) ACTING AWAY FROM THE BRACED BAY AND THE VERTICAL REACTION (V) ACTING DOWNWARD.

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***** ENDWALL COLUMN LOAD CASE ABBREVIATIONS: *****
Collat: COLLATERAL LOAD
Rafter Wind_L/Rafter Wind_R: LATERAL WIND FROM THE LEFT/RIGHT
Roof Wind_L/Roof Wind_R: LATERAL WIND FROM THE LEFT/RIGHT
Wind_P/Wind_S: LONGITUDINAL WIND PRESSURE/SUCTION ON COLUMNS
Wind_Ln/Wind_Ln: LONGITUDINAL WIND SUCTION ON CAN RAILS
Seis_L/Seis_R: LATERAL SEISMIC LOAD FROM LEFT/RIGHT
#UNB_L/#UNB_SL/#UNB_SR: UNBALANCED ROOF SNOW WITH WIND FROM LEFT/RIGHT
#EPA_T_L/#EPA_T_S/#EPA_T_SR: PARTIAL LIVE/SNOW LOADING FOR CONTINUOUS BEAM SYSTEMS
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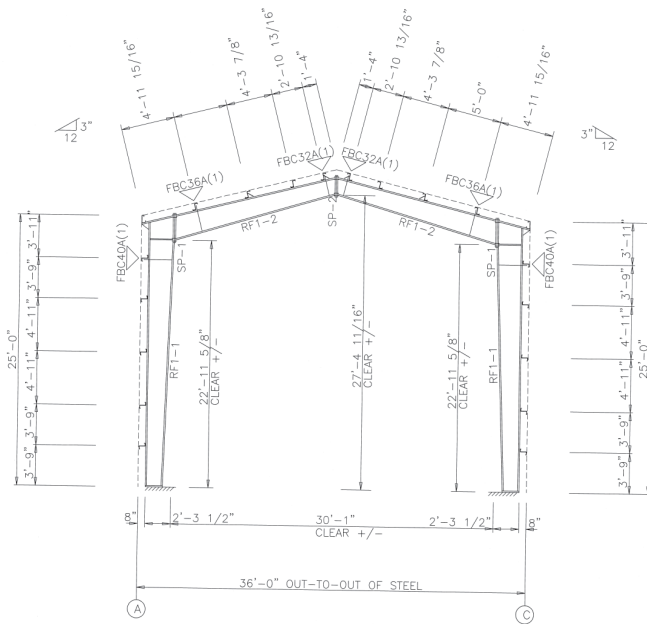
Frame	Line	Column	-Dead-	-Collateral-	-Live-	Snow-	-Wind_L1-	-Wind_R1-	
* ₁	A	C	0.4	2.5	2.0	Horiz	Vert	Horiz	Vert
2*	C	0	-0.4	2.0	-2.4	11.9	-7.6	-4.4	-10.4
1*	C	0	-0.4	2.5	-0.4	-1.7	8.6	-4.4	-10.4
Frame	Line	Column	-Wind_L2-	-Wind_R2-	LnWind1-	-LnWind2-	-Seismic_L-	-Seismic_R-	
1*	A	C	Horiz	Vert	Horiz	Vert	Horiz	Vert	
2*	C	0	-2.8	0.7	-2.3	-7.6	-0.8	-4.4	
1*	C	0	-2.8	0.7	-2.3	-7.6	-0.8	-4.4	
Frame	Line	Column	-LWIND1_L2E-	-LWIND1_R2E-	-LWIND2_L2E-	-LWIND2_R2E-	-F1UNB_SL_L-	-F1UNB_SL_R-	
1*	A	C	0.2	0.3	0.2	0.3	Horiz	Vert	
2*	C	0	0.2	-0.3	-0.2	-0.3	-1.6	8.9	
1*	C	0	0.2	-0.3	-0.1	-1.0	-1.6	8.9	
Frame	Line	Column	-Dead-	-Live-	Horiz	Snow-	-Wind_L1-	-Wind_R1-	
1*	A	C	1.8	1.8	1.4	1.0	4.9	-4.1	
2*	C	0	-0.3	1.8	-0.2	1.2	-1.4	8.8	
1*	C	0	-0.3	1.8	-0.2	1.2	-1.4	8.8	
Frame	Line	Column	-Wind_L2-	-Wind_R2-	-LnWind1-	-LnWind2-	-Seismic_L-	-Seismic_R-	
1*	A	C	Horiz	Vert	Horiz	Vert	Horiz	Vert	
2*	C	0	-5.0	-5.7	2.0	0.3	1.4	-0.5	
1*	C	0	-5.0	-5.7	2.0	0.3	1.4	-0.5	
Frame	Line	Column	-LWIND1_L2E-	-LWIND1_R2E-	-LWIND2_L2E-	-LWIND2_R2E-	-F2UNB_SL_L-	-F2UNB_SL_R-	
1*	A	C	Horiz	Vert	Horiz	Vert	Horiz	Vert	
2*	C	0	0.1	-0.5	-0.1	-0.2	0.9	5.0	
1*	C	0	0.1	-0.5	-0.1	-0.2	0.9	5.0	
2*	Frame lines:		1	2	3	4			
1*	Frame lines:		1	2	3	4			

Frm Line	Col Line	Anc. Qty	Bolt Dia	Base Width	Plate (in) Length	Thick	Elev. (in)
1	B	4	0.750	8.000	10.19	0.375	0.0
5	B	4	0.750	8.000	10.19	0.375	0.0

Loc	Wall Line	Col Line	± Reactions (k)				Panel Shear (lb/ft)
			Horz	Wind Vert	-Seismic Horz	Vert	
L_EW	1	Rigid	Frame	At	Endwall		
F_SW	C	4.5	4.6	5.4	2.5	2.9	
R_EW	5	Rigid	Frame	At	Endwall		
B_SW	A	5.4	4.6	5.4	2.5	2.9	

SPICE PLATE & BOLT TABLE									
Mark	Qty		Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	0	A325	0.625	2.25	8"	1/2"	2'-7 1/4"
SP-2	4	4	0	A325	0.625	2.25	6"	3/8"	1'-11"

MEMBER TABLE									
Mark	Web Depth		Web Plate		Outside Flange		Inside Flange		
	Start/End	Thick	Length		W x Thk x Length		W x Thk x Length		
RF1-1	16.0/27.0	0.125	272.1		8 x 1/4" x 293.1		8 x 1/4" x 272.3		
RF1-2	27.0/27.0	0.188	27.9		8 x 1/4" x 36.0				
RF1-2	24.0/16.0	0.164	190.9		5 x 3/16" x 184.8		5 x 3/16" x 187.0		



RIGID FRAME ELEVATION: FRAME LINE 2 3 4

GENERAL NOTES

1. ∇ INDICATES FLANGE BRACING LOCATIONS. (1) = ONE SIDE; (2) = TWO SIDES.
2. IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE RIGID FRAME, THE OPPOSITE SIDE FLANGE BRACES WILL HAVE TO BE INSTALLED AT THE TIME OF FUTURE EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.
3. RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.

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JOB NUMBER: S12S0554A

SHEET NO: E2 of 10



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